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The Data Streamer executes commands in a separate **thread** of control with minimal CPU support. Thus, in its natural order of scan-order, into memory **accessible** by the VLx called CM1 in subband order. and audio information. Those boxes will have a hard **drive** and editing capabilities. Because digital video robotics.stanford.edu/users/krasi/Cable2K.pdf

[Chapter 3 Ice Control for Flood Damage Reduction and... - Section Nonstructural.. \(Correct\)](#)

325 feet) wide. All of these methods require easy **access** to river along much of the length where the ice More recently, the blocks were cut using gas-engine-driven circular saws (Deugo 1973) The intent of ice loose, broken ice on downstream reaches must be **addressed** to avoid putting downstream communities at www.usace.army.mil/inet/usace-docs/eng-manuals/em1110-2-1612/c-3.pdf

[Qualitative and Quantitative Representations of... - Musto, Stein.. \(1999\) \(Correct\) \(2 citations\)](#)

combinations should be learned during teaching **drives**-one for each route-when the wheelchair is by Musto et al. 1998]does better in this **context**: measuring changes in direction not in every and so-called routemarks that trigger the **switching** between the behaviors. These combinations www.brauer.informatik.tu-muenchen.de/fki-berichte/postscript/fki-228-99.ps.gz

[A Review of the State of the Art of Personal Rapid Transit - Edward Anderson The \(2000\) \(Correct\)](#)

to accommodate automobiles, and the inequality in **access** to jobs and services between those who **drive** and in **access** to jobs and services between those who **drive** and those who either cannot or should not **drive**. of an optimum PRT design. These include capacity, **switching**, the issue of hanging vs. supported vehicles, www.taxi2000.com/pubs/.../pubspdf/StateOfArtOfPRT.pdf

[Monoids and the State Complexity of the Operation root\(L\) by ... - In Fulfillment Of \(2004\) \(Correct\)](#)

thank Je# for his ideas and guidance, which helped **drive** and shape this work. Second, I would like to elements of X are known as generators. When the **context** is clear, and there is no uncertainty regarding and formal systems. In Proc. 12th IEEE Symp. **Switching** and Automata Theory, pp. 188-190, 1971. etd.uwaterloo.ca/etd/bakrawet2004.ps

[Causal Inference in the Presence of Latent Variables and ... - Spirtes, Meek.. \(Correct\) \(5 citations\)](#)

there is a link between intelligence and sex **drive**. Let student status be a binary variable that ancestors of members of X in G(O,S,L) If the **context** makes clear what graph is being referred to, we kinks.phil.cmu.edu/spirtes/tetradpapers/clarkbooknew.ps

[Requirements & Specification Exemplars - Feather, Fickas, Finkelstein, van .. \(1997\) \(Correct\)](#)

the available capabilities (control over **switches**, **access** to information provided by sensors) and the Exemplars may serve several purposes: to **drive** and communicate individual research advances to application. It is particularly relevant in this **context** that we clarify the status, purposes and ftp.info.ucl.ac.be/pub/publi/97/Exemplars-ASE.ps

[The Whirling Blade and the Steaming Cauldron - Bodenheimer, Jr. \(Correct\)](#)

control, but only when the methodologies are made **accessible** to them. The few, isolated examples where heartfelt gratitude goes to Pascale Bendotti. Her **drive** and determination have been a fountain of techniques to examine what they can tell us in the **context** of a practical example. The primary technique is ftp.cds.caltech.edu/pub/cds/techreports/postscript/cds95-019.ps.gz

[Linear Relaxations and Reduced-Cost Based Propagation of... - Thorsteinsson, Ottosson \(2000\) \(Correct\) \(3 citations\)](#)

www.andrew.cmu.edu/~esth/papers/aor_cpafor-2001_012001.ps.gz

[Scheduling and Data Replication to Improve Tape Jukebox... - Bruce Hillyer Rajeev \(1999\) \(Correct\) \(7 citations\)](#)

number of database applications require on-line **access** to massive amounts of data. Since large-scale tape has different failure modes from disk. Disk **drives** generally work correctly for a long time, then of skew in the request stream. To establish a **context** for answering the eight questions, we now
www.bell-labs.com/user/rastogi/tape.ps

An Application of Word Sense Disambiguation to Information.. - Whaley (1999) (Correct) (1 citation)
 meaning in some **context**. For example, the words "drive" and "crusade" are synonymous. A word is sense disambiguation as follows: Given a word, its **context** and its possible meanings, the problem of word
 tf.idf model. 1 Introduction This paper **addresses** and attempts to synthesize two separate
ftp.cs.dartmouth.edu/TR/TR99-352.ps.Z

Autonomous Environment and Task Adaptation for Robotic Agents - Beetz, Belker (Correct)
 such as driving slowly or fast. It did not have **access** to the execution states of the collision
 determines how cautiously the robot should **drive** and how abruptly it is allowed to change
 the low-level control system in a situation- and **context**-specific way. SRPAs specify how the navigation
www.informatik.uni-bonn.de/~rhino/publications/autonomous_enviroment_and_task_adaption_for_robotic_agents.ps.gz

Design and Implementation of the Stony Brook Video Server - Tzi-Cker Chiueh Chitra (1996) (Correct) (8 citations)
 -end performance, SBVS uses a real-time network **access** protocol, RETHER, that uses existing Ethernet
 rate, the time to **access** each individual **peripheral** device on the bus is still limited by the
 mechanisms, and the performance measurements that **drive** and/or validate our design decisions. 1
www.ecsl.cs.sunysb.edu/tr/TR16.ps.Z

MIT Roofnet: Construction of a Production Quality Ad-Hoc.. - Daniel Aguayo Aguayo (2003) (Correct)
 capable of providing pervasive highspeed network **access**. Currently, the network currently consists of
 of a 533MHz 586-class processor with a CD-ROM **drive** and a wireless card, packaged in a textbook-sized
www.sigmobile.org/mobicom/2003/posters/13-Biswas.pdf

The Exportation of the American Model of Entrepreneurship: ... - James Carland Western (1997) (Correct)
 toward the resurgence of entrepreneurship to **drive** a conversion of these economies toward free
www.usasbe.org/conferences/1997/Proceedings/papers/P124Carland.PDF

Vibration Suppression and Optimal Repetitive Disturbance... - Hiroshi Fujimoto And (Correct)
 to the settling and following modes of hard disk **drive**, and the advantages of these approaches are
 d xd [i 1] Add xd [i] xd [i] xd [i] Observer **Switch** Figure 3: Feedforward repetitivecontrol. at t
aldebaran.elo.utfsm.cl/datasheet/cdc/cdc00/PDF/AUTHOR/CD001439.PDF

Scheduling Dependent Real-Time Activities - Raymond Keith Clark (1990) (Correct) (3 citations)
 activities. These activities may be Mach **threads** (Mach 86)Alpha **threads** (Northcutt 87)
 by one activity at a time. An activity awaiting **access** to a resource currently held by another activity
www.real-time.org/preview/docs/rkc-thesis.pdf

Skill Training in Immersive and Nonimmersive Environments - Adams, Ntuen (2002) (Correct)
 RAM, one 17-inch SVGA monitor, one 30 GB harddisk **drive** and one joystick. It also includes one copy of
ie.engrng.pitt.edu/iee2002/proceedings/ierc/papers/2075.pdf

Agent-Based Electronic Commerce: Opportunities and Challenges - Youll (2001) (Correct) (1 citation)
 who seek information (2) legislated and market-driven privacy policies that obviate the arms race by
 machinereadable data from the web pages. XML **addresses** this unending cycle, but so many XML standards
web.media.mit.edu/~jim/publications/./projects/atomic/publications/youll-mit-isads.pdf

The NEURON Simulation Environment - Hines, Carnevale (1997) (Correct) (16 citations)
 are several ways to declare which is the currently **accessed** section, but here the most convenient is to
 and quantitative modeling Experimental advances **drive** and support quantitative modeling. Over the past
 of the operation of these mechanisms. In this **context** the term "biological realism" does not mean
www.neuron.yale.edu/neuron/papers/nsimenv.ps.Z

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1 [Pen computing: a technology overview and a vision](#)

André Meyer

July 1995

ACM SIGCHI Bulletin, Volume 27 Issue 3

Full text available:  [pdf\(5.14 MB\)](#)

[Additional Information: full citation, abstract](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the commercial means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. Future visions. Starting with a short historic ...

2 [Trace-driven memory simulation: a survey](#)

Richard A. Uhlig, Trevor N. Mudge

June 1997

ACM Computing Surveys (CSUR), Volume 29 Issue 2

Full text available:  [pdf\(636.11 KB\)](#)

[Additional Information: full citation, abstract](#)

As the gap between processor and memory speeds continues to widen, methods for evaluating memory system performance driven memory simulation, has been the subject of intense interest among researchers and has, as a result, enjoyed these developments by establishing criteria for evaluating trace-driven simulation ...


Keywords: TLBs, caches, memory management, memory simulation, trace-driven simulation

3 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997

Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative Computing

Full text available:  [pdf\(4.21 MB\)](#)

[Additional Information: full citation, abstract](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex due to repeated occurrences of non-trivial communication ...

4 [A structural view of the Cedar programming environment](#)

Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. Hagmann

August 1986

ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 8 Issue 4

Full text available:  [pdf\(6.32 MB\)](#)

[Additional Information: full citation, abstract](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the ...

written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of systems for a high-performance personal computer. T ...

- 5 Architectures: A perspective on the future of massively parallel computing: fine-grain vs. coarse-grain parallelism
Predrag T. Tosić
April 2004 **Proceedings of the first conference on computing frontiers on Computing frontiers**


Full text available:  pdf(277.49 KB)

Additional Information: [full citation](#), [abstract](#)

Models, architectures and languages for *parallel computation* have been of utmost research interest in computer science, studied, and different parallel and distributed architectures designed as some possible ways of harnessing parallelism in *artificial neural networks* (...

Keywords: cellular automata, distributed systems, massively parallel computing, multiprocessor computers, neural networks


- 6 Distributed operating systems
Andrew S. Tanenbaum, Robbert Van Renesse
December 1985 **ACM Computing Surveys (CSUR)**, Volume 17 Issue 4

Full text available:  pdf(5.49 MB)

Additional Information: [full citation](#), [abstract](#)

Distributed operating systems have many aspects in common with centralized ones, but they also differ in certain aspects. This paper discusses university research about them. After a discussion of what constitutes a distributed operating system and how it is implemented, research projects are examined in some detail ...

- 7 Experience Using Multiprocessor Systems—A Status Report
Anita K. Jones, Peter Schwarz
June 1980 **ACM Computing Surveys (CSUR)**, Volume 12 Issue 2

Full text available:  pdf(4.48 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


- 8 A parallel embedded-processor architecture for ATM reassembly
Richard F. Hobson, P. S. Wong
February 1999 **IEEE/ACM Transactions on Networking (TON)**, Volume 7 Issue 1

Full text available:  pdf(331.21 KB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: ATM, embedded systems, medium access control, segmentation and reassembly

- 9 System support for pervasive applications
Robert Grimm, Janet Davis, Eric Lemar, Adam Macbeth, Steven Swanson, Thomas Anderson, Brian Bershad, Gaetano Borriello
November 2004 **ACM Transactions on Computer Systems (TOCS)**, Volume 22 Issue 4

Full text available:  pdf(1.82 MB)


Additional Information: [full citation](#), [abstract](#)

Pervasive computing provides an attractive vision for the future of computing. Computational power will be available everywhere, enabling people to accomplish their tasks. For this vision to become a reality, developers must build applications that constantly adapt to the underlying architecture for pervasive computing, called & ...

Keywords: Asynchronous events, checkpointing, discovery, logic/operation pattern, migration, one.world, pervasive computing

- 10 Design, implementation, and performance measurement of a native-mode ATM transport layer (extended abstract)
R. Ahuja, S. Keshav, H. Saran

August 1996 **IEEE/ACM Transactions on Networking (TON)**, Volume 4 Issue 4

Full text available:  pdf(1.66 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: AAL 5, asynchronous transfer mode, native-mode ATM, personal computer, transport layer

11 The measured performance of personal computer operating systems

J. Bradley Chen, Yasuhiro Endo, Kee Chan, David Mazières, Antonio Dias, Margo Seltzer, Michael D. Smith

February 1996

ACM Transactions on Computer Systems (TOCS), Volume 14 Issue 1

Full text available:  pdf(2.38 MB)

Additional Information: [full citation](#), [abstract](#)

This article presents a comparative study of the performance of three operating systems that run on the personal computer (NetBSD (a freely available variant of the UNIX operating system)), cover a broad range of system functionality and performance measurements are enabled by hardware counters in Intel ...

Keywords: Microsoft Windows, operating systems performance measurement, operating systems structure, performance

12 Techniques and experiences with group support system implementation

Stephen C. Hayne, Mark Pendergast

October 1994

Proceedings of the 1994 conference of the Centre for Advanced Studies on Collaborative Computing

Full text available:  pdf(108.71 KB)

Additional Information: [full citation](#), [abstract](#)

This paper describes practical design and implementation techniques used for creating Group Support Systems (GSS). Microsoft Windows are presented and experiences using 'C', 'C++', 'ObjectPascal' and 'Actor' languages included. Based Object provides support for all inter and intra processor ...

Keywords: distributed computing, object oriented technology, software architecture

13 System-level power optimization: techniques and tools

Luca Benini, Giovanni de Micheli

April 2000

ACM Transactions on Design Automation of Electronic Systems (TODAES), Volume 5 Issue 2

Full text available:  pdf(385.22 KB)

Additional Information: [full citation](#), [abstract](#)

This tutorial surveys design methods for energy-efficient system-level design. We consider electronic systems that consume energy, namely computation, communication, and storage units, and we review methods of reducing their energy consumption. Efficient software design and compilation. This survey ...

14 The design, implementation, and evaluation of Jade

Martin C. Rinard, Monica S. Lam

May 1998

ACM Transactions on Programming Languages and Systems (TOPLAS), Volume 20 Issue 3

Full text available:  pdf(576.88 KB)

Additional Information: [full citation](#), [abstract](#)


Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade programmers specify the semantics of the program access data. The Jade implementation uses this data access information to automatically extract the semantics of the original serial program ...

Keywords: parallel computing, parallel programming languages

15 Technical correspondence

CORPORATE Tech Correspondence

October 1989 **Communications of the ACM**, Volume 32 Issue 10

Full text available:  pdf(2.15 MB)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

16 [Requirements analysis for large Ada programs: lessons learned on CCPDS-R](#)

C. Grauling

January 1989

Proceedings of the conference on Tri-Ada '89: Ada technology in context: applica

Full text available:  pdf(1.13 MB)


Additional Information: [full citation](#), [abstracts](#)

This paper summarizes the experiences of the software requirements team on the Command Center Processing a amount of command and control software while using a new approach to the entire software development proces uncertainty in a fixed price development environment, and incompat ...

17 [Draft report on requirements for a common prototyping system](#)

R. P. Gabriel

March 1989 **ACM SIGPLAN Notices**, Volume 24 Issue 3


Full text available:  pdf(4.76 MB)

Additional Information: [full citation](#), [citations](#), [index terms](#)

18 [Programming languages for distributed computing systems](#)

Henri E. Bal, Jennifer G. Steiner, Andrew S. Tanenbaum

September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3

Full text available:  pdf(6.50 MB)

Additional Information: [full citation](#), [abstracts](#)


When distributed systems first appeared, they were programmed in traditional sequential languages, usually with more commonplace and more sophisticated, this ad hoc approach became less satisfactory. Researchers all over languages and their history, their underlying pr ...

19 [The structure of Cedar](#)

Daniel C. Swinehart, Polle T. Zellweger, Robert B. Hagmann

June 1985

Proceedings of the ACM SIGPLAN 85 symposium on Language issues in programi

Full text available:  pdf(1.79 MB)

Additional Information: [full citation](#), [abstracts](#)


This paper presents an overview of the Cedar programming environment, focusing primarily on its overall structu written in a single programming language, also called Cedar. We will emphasize the extent to which the Cedar lai the Computer Science Laboratory (CS ...

20 [Papers: Off the wall: Support for multitasking and background awareness using interactive peripheral disp](#)

Blair MacIntyre, Elizabeth D. Mynatt, Stephen Volda, Klaus M. Hansen, Joe Tullio, Gregory M. Corso

November 2001

Proceedings of the 14th annual ACM symposium on User interface software and i

Full text available:  pdf(1.25 MB)

Additional Information: [full citation](#), [abstracts](#)

In this paper, we describe Kimura, an augmented office environment to support common multitasking practices. leverage interactive projected peripheral displays to support the perusal, manipulation and awareness of backgro interaction on the desktop. These montages help rem ...

Keywords: Context-aware computing, Rooms, ambient displays, office computing, ubiquitous computing

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